

Title (en)  
PROCESS AND FILM FOR PRODUCING PRINTED WIRING BOARDS

Publication  
**EP 0351034 B1 19931013 (EN)**

Application  
**EP 89303543 A 19890411**

Priority  
• JP 17513288 A 19880715  
• JP 17513388 A 19880715  
• JP 21046088 A 19880826

Abstract (en)  
[origin: EP0351034A2] A composite film comprising an additive layer (5) and an insulating layer (4) containing an epoxy resin and a synthetic rubber as major components, is used in the manufacture of printed wiring boards via the additive method. The composite film is laminated on both sides of a substrate, especially an inner layer circuit substrate, and cured. Through-holes are drilled, and the resulting laminate is masked with a plating resist, roughened and electrolessly plated.

IPC 1-7  
**H05K 3/10**; **H05K 3/38**; **H05K 3/44**; **H05K 3/46**

IPC 8 full level  
**H05K 3/38** (2006.01); **H05K 3/44** (2006.01); **H05K 3/46** (2006.01); **H05K 3/18** (2006.01); **H05K 3/42** (2006.01)

CPC (source: EP KR US)  
**H05K 1/03** (2013.01 - KR); **H05K 3/10** (2013.01 - KR); **H05K 3/387** (2013.01 - EP US); **H05K 3/445** (2013.01 - EP US); **H05K 3/46** (2013.01 - KR); **H05K 3/4661** (2013.01 - EP US); **H05K 3/184** (2013.01 - EP US); **H05K 3/426** (2013.01 - EP US); **H05K 2201/0133** (2013.01 - EP US); **H05K 2201/0195** (2013.01 - EP US); **H05K 2203/066** (2013.01 - EP US); **H05K 2203/143** (2013.01 - EP US); **Y10T 29/49158** (2015.01 - EP US); **Y10T 29/49165** (2015.01 - EP US)

Cited by  
EP1096842A3; EP1014769A3; EP1720392A3; EP1720393A3; EP0804061A4; WO9717824A1; US9942982B2; US6739040B1; US6217988B1; US6251502B1

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 0351034 A2 19900117**; **EP 0351034 A3 19900321**; **EP 0351034 B1 19931013**; DE 68909853 D1 19931118; DE 68909853 T2 19940210; KR 900002672 A 19900228; KR 920000988 B1 19920131; US 5153987 A 19921013

DOCDB simple family (application)  
**EP 89303543 A 19890411**; DE 68909853 T 19890411; KR 890004848 A 19890608; US 33543389 A 19890410